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NOTICE OF ALLOWANCE AND FEE(S) DUE

34196

7590

04/16/2009

UTC FUEL CELLS, LLC 195 GOVERNOR'S HIGHWAY SOUTH WINDSOR, CT 06074 EXAMINER

DOVE, TRACY MAE

ART UNIT PAPER NUMBER

1795

DATE MAILED: 04/16/2009

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 10/649.244 | 08/27/2003 | Richard D. Breault | C-2821 | 6014 |

TITLE OF INVENTION: FUEL CELL TEMPERATURE CONTROL BY EVAPORATIVE COOLING

| APPLN. TYPE | SMALL ENTITY | ISSUE FEE DUE | PUBLICATION FEE DUE | PREV. PAID ISSUE FEE | TOTAL FEE(S) DUE | DATE DUE |
|----------------|--------------|---------------|---------------------|----------------------|------------------|------------|
| nonprovisional | NO | \$1510 | \$300 | \$0 | \$1810 | 07/16/2009 |

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

| appropriate. All further ndicated unless correcte naintenance fee notifica | | ng the Patent, advance on nerwise in Block 1, by (a | ders and notification a) specifying a new co | of m orresp | aintenance fees with condence address; | ill be and/or | mailed to the current of (b) indicating a separ | correspondence address as ate "FEE ADDRESS" for |
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| CURRENT CORRESPOND | | Fee(s | s) Transmittal. This rs. Each additional | certif paper | icate cannot be used fo | domestic mailings of the r any other accompanying t or formal drawing, must | | |
| 34196 | | /2009 | | | Cert | ificate | of Mailing or Transm | nission |
| UTC FUEL CE 195 GOVERNO SOUTH WINDS | R'S HIGHWAY | | | I here State addre trans | eby certify that this s Postal Service was essed to the Mail mitted to the USPT | s Fee(ith suf Stop O (57 | s) Transmittal is being ficient postage for first ISSUE FEE address a 1) 273-2885, on the da | deposited with the United class mail in an envelope bove, or being facsimile te indicated below. |
| | | | | | | | | (Depositor's name) |
| | | | | | | | | (Signature) |
| | | | | | | | | (Date) |
| APPLICATION NO. | FILING DATE | | FIRST NAMED INVEN | TOR | | ATTO | RNEY DOCKET NO. | CONFIRMATION NO. |
| 10/649,244 | 08/27/2003 | | Richard D. Breaul | t | • | | C-2821 | 6014 |
| TITLE OF INVENTION | | RATURE CONTROL BY | | | | | | |
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| EXAM | IINER | ART UNIT | CLASS-SUBCLASS | | | | | |
| DOVE, TR | ACY MAE | 1795 | 429-026000 | | | | | |
| Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. | | | (1) the names of u or agents OR, alter (2) the name of a s registered attorney 2 registered patent | rinting on the patent front page, list names of up to 3 registered patent attorneys s OR, alternatively, name of a single firm (having as a member a ed attorney or agent) and the names of up to ered patent attorneys or agents. If no name is on name will be printed. | | | | |
| PLEASE NOTE: Unl recordation as set fort (A) NAME OF ASSIG | less an assignee is ident h in 37 CFR 3.11. Comp GNEE | A TO BE PRINTED ON The ified below, no assignee oletion of this form is NO to the categories (will not be presented). | data will appear on the Tasubstitute for filing (B) RESIDENCE: (C) | ne pa g an a | tent. If an assigne ssignment. and STATE OR Co | OUNT | 'RY) | cument has been filed for |
| *** | | | | | | | | |
| a. The following fee(s): Issue Fee | are submitted: | 40 | o. Payment of Fee(s): (A check is enclos | | se first reapply an | y prev | iously paid issue fee sl | nown above) |
| ☐ Publication Fee (No small entity discount permitted) | | | Payment by credit card. Form PTO-2038 is attached. The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any | | | | | |
| Advance Order - | # of Copies | | The Director is he overpayment, to I | reby Depos | authorized to charg it Account Number | ge the i | required fee(s), any defi (enclose an | ciency, or credit any extra copy of this form). |
| _ ` . | tus (from status indicate s SMALL ENTITY state | · · · · · · · · · · · · · · · · · · · | ☐ b. Applicant is no | long | er claiming SMAL | L ENT | ΓΙΤΥ status. See 37 CF | R 1.27(g)(2). |
| NOTE: The Issue Fee an nterest as shown by the | d Publication Fee (if requestroords of the United Sta | uired) will not be accepted tes Patent and Trademark | d from anyone other the Office. | an th | e applicant; a regis | tered a | attorney or agent; or the | assignee or other party in |
| · | | | | | Date | | | |
| Typed or printed name | | | | | | | | |
| n application. Confidentub submitting the completed his form and/or suggesti | tiality is governed by 35 d application form to the ions for reducing this bu. Virginia 22313-1450. DC | U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to th | 1.14. This collection i depending upon the i e Chief Information O | s esti ndivi fficer | mated to take 12 m dual case. Any cor : U.S. Patent and 1 | ninutes mment Fraden | to complete, including s on the amount of tim park Office, U.S. Depar | by the USPTO to process) gathering, preparing, and e you require to complete tment of Commerce, P.O. or Patents, P.O. Box 1450, |

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| UTC FUEL CEL | LS, LLC | DOVE, TRACY MAE | | | |
| 195 GOVERNOR'S HIGHWAY | | | ART UNIT | PAPER NUMBER | |
| SOUTH WINDSOR, CT 06074 | | | 1795 | | |
| | | | DATE MAILED: 04/16/2009 | | |

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 961 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 961 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

| | Application No. | Applicant(s) | |
|---|---|--|----------|
| | 10/649,244 | BREAULT, RICHARD D. | |
| Notice of Allowability | Examiner | Art Unit | _ |
| | TRACY DOVE | 1795 | |
| The MAILING DATE of this communication appears All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF of the Office or upon petition by the applicant. See 37 CFR 1.313 | (OR REMAINS) CLOSED in or other appropriate commul GHTS. This application is so | this application. If not included nication will be mailed in due course. THIS | , |
| 1. This communication is responsive to <u>1/21/09</u> . | | | |
| 2. The allowed claim(s) is/are <u>13-21</u> . | | | |
| 3. | | r (f). | |
| 2. Certified copies of the priority documents have | been received in Application | n No | |
| 3. ☐ Copies of the certified copies of the priority do | | | |
| International Bureau (PCT Rule 17.2(a)). | | | |
| * Certified copies not received: | | | |
| Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. | | a reply complying with the requirements | |
| 4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give | | | |
| 5. CORRECTED DRAWINGS (as "replacement sheets") mus | st be submitted. | | |
| (a) I including changes required by the Notice of Draftspers | on's Patent Drawing Review | (PTO-948) attached | |
| 1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date | | | |
| (b) ☐ including changes required by the attached Examiner's Paper No./Mail Date | s Amendment / Comment or | in the Office action of | |
| Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t | | | |
| 6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT | | | |
| | | | |
| Attachment(s) 1. ☐ Notice of References Cited (PTO-892) | 5. ☐ Notice of Inf | ormal Patent Application | |
| 2. Notice of Draftperson's Patent Drawing Review (PTO-948) | | mmary (PTO-413), | |
| 3. Information Disclosure Statements (PTO/SB/08), | Paper No./l 7. ⊠ Examiner's / | Mail Date Amendment/Comment | |
| Paper No./Mail Date 4. | 8. | Statement of Reasons for Allowance | |
| or biological material | 9. 🔲 Other | | |
| /TRACY DOVE/ | | | _ |
| Primary Examiner, Art Unit 1795 | | | |
| | | | |

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

In claim 13, last line: After "within the radiator" add "; and condensing the steam outside the fuel cell and recirculating a portion of the condensed steam back to the flowing liquid water, wherein the steam originated as the flowing liquid water converted into steam and passed through the barrier layer into the steam channel".

The following is an examiner's statement of reasons for allowance: see Board of Patent Appeals decision of 8/29/08.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to TRACY DOVE whose telephone number is (571)272-1285. The examiner can normally be reached on T, W 7:30-6:00.

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Art Unit: 1795

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Ryan can be reached on 571-272-1292. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

April 13, 2009 /TRACY DOVE/ Primary Examiner, Art Unit 1795